Transparency 20-2

Determination of Charge

Date _____ Period _____ Name _____

20 Transparency 20-2 Worksheet

Determination of Charge

1. In order for an electroscope to work, what must be true about the knob, the leaves, and the rod connecting the two?

2. Why are thin metal leaves used in an electroscope?

3. If you were to touch a negatively charged object to the knob of the electroscope in the diagram on the left, what would happen? Why?

4. The diagram in the middle shows a negatively charged object touched to the electroscope in the diagram on the left. What happened?

5. The diagram on the right shows a positively charged object touched to the electroscope in the diagram on the left. What happened?

6. What conclusion would you reach if you touched the knob of the electroscope in the diagram on the left with a rod and the leaves did not move? Why?

7. How could you use a positively charged electroscope to determine the charge on a rod?